

CS 3200 - Phase 1 Requirements

Khoury College of Computer Sciences | Spring 2025

Project Phase 1

Due: March 25, 2025 @ 11:59 pm, pdf uploaded to Gradescope.

Your Tasks:

1. Identify your team. If you're looking for a team member, feel free to post a reply message in Slack to the "Looking for Team Member" Pinned Post.
 - a. To ensure things ultimately work out in the partitioning, course staff reserve the right to add a person to a team.
2. As a team, brainstorm ideas for data-driven applications. You are welcome to use your favorite AI tool for inspiration.
3. Name things.
 - a. Decide on a **team name** (don't be boring, but be appropriate).
 - b. Decide on a **product name**. Feel free to use AI to develop some ideas.
4. Develop a Pitch
 - a. Write and refine an "Elevator Pitch" for your product. In written form, this should be one to two well-crafted, clear, and concise paragraphs that address the following:
 - i. What are you building?
 - ii. Why is this data-driven app important?
 - iii. What pain points from existing solutions do you hope to address by collecting, storing, and/or analyzing data?
 - iv. What are the major user types/categories/personas that you are building the app for?
 - v. Tease the reader with two to three key features your app will provide.
5. Develop at least **four** user **personas**. Each persona should represent an archetypal user of your app. Include a brief background story about each persona and list some pain points they have experienced in their current workflow.
 - a. At least one persona should represent someone maintaining and supporting the work of the app (a system administrator, for example)
 - b. At least one of the personas should represent analysts or decision-makers who need to see high-level summarized data (think dashboard with graphs, charts, figures, etc.).
6. For each of the four personas, develop six potential features that would add value to your app. State these features as user stories.
 - a. **Note:** you don't need to worry about account creation and/or user authentication (login/password) as a user story for any of the personas.
 - b. For the analyst/decision maker persona, your user stories should be data analytical in nature. In other words, what high-level analytics might they want to see on a dashboard?
 - c. Within the 24 feature user stories that you develop, at least **two** should require updating existing data already in the database, at least **two** should require adding new data to the system (database), and at least **two** should require removing (or marking unused) data from the system (database)
7. Mock up **two** screens in wireframes for each persona (eight total) that each address one or more of the features for that persona. They can be hand drawn and scanned in or produced in a tool like LucidChart or even Figma.

Using the [provided template](#), your team will submit the following:

1. Team Name
2. Contact information for each team member
3. Your Application's Name
4. Your project's Elevator Pitch.
5. A minimum of four user personas for your application. For each persona, you should include:
 - a. A name for the persona
 - b. Brief demographic info (age, educational background, etc.)
 - c. For this project, you should provide a brief paragraph describing the persona, including why they will use the app and/or how they currently achieve the same tasks.

If you're interested, more detailed information about personas can be found > [here](#) < and > [here](#) < (this one is behind a paywall on Medium, but everyone gets five free articles a month on Medium even without an account.) Your personas don't have to be as formal as the ones included in these links.

6. For each user persona, develop six major features and state them as User Stories for the associated persona. See > [this](#) < link or > [this](#) < article for more information on User Stories and how to compose them. There may be some overlap in features/user stories between personas, but not much.
 - a. No user story should concern a required feature of logging in to the system.
 - b. All user stories should be stated in the following form:
"As a (user archetype) , I need to be able to (perform some task or achieve some goal) so that (why the task or goal is important) ." *Example: As a coop seeker, I want to view open positions that are most aligned to the skills on my resume, so that I don't have to type in my skill set over and over.*

Submit a single PDF of the project template to GradeScope.

More information about Phase 2 and Phase 3 will be forthcoming.